APPENDIX 4 – INTERIOR PARTITIONS, FIRE-RATED PARTITIONS AND SMOKE BARRIERS

INTERIOR PARTITION TYPES

PARTITION TYPE CLASSIFICATION AND NAMING:

A different partition type is to be created for each type of wall used in the project. The following system is an example used to classify, organize, and manage partition types within the BIM model. It’s used to help project teams establish a naming convention for cataloging all partition types in the model:

INTERIOR PARTITION TYPE PARAMETERS

The “Wall-Interior Partition” defines the elements and must be included as required. Partition information must be scheduled.

WALL SCHEDULE

Each partition type holds parameters containing descriptions of its components and its construction which is shown in the schedule:

Partition Type Code: A constant code to catalog partition types

Type Mark: Construction Document Partition Type Number* * Different for each project (see Partition Type Number below)

Assembly Code: Defines wall at an Industry Level*

Description: Description of wall in BIM**

* Define for use in contract documents

** Model management information (Not provided for specific contract document use)
INTERIOR PARTITION TYPE NUMBER

The “Type Mark” from the schedule above relates to the construction document partition type number. It is a project specific number allowing appropriate construction document partition type number sequencing. This number which is held in the 3D partition gets tagged in plan and relates to the partition type details:

TYPE MARK

Interior Partition Type tagged in plan:

Interior Partition Type Fire Rating Legend:

- 19b
- 1 Hour Fire Rated
- 19bs
- 1 Hour Fire & Smoke Rated
- 19c
- 2 Hour Fire Rated
- 19cs
- 2 Hour Fire & Smoke Rated

Continue the progression of letters in the format above for ratings above 2 Hours.
FIRE-RATED PARTITIONS AND SMOKE BARRIERS

Fire rating/smoke fill patterns are to be constructed within a 3D wall type so that the partition’s respective rating is shown through all scales and through all types of views.